

Claims 19-27, 29, 30, and 31, are rejected under 35 U.S. C. 103(a) as being unpatentable over Koyama as applied to claims 1-3 above, and further in view of Sato et al. (U.S. Patent No. 5, 511,930)

The Applicants traverse the rejections and request reconsideration.

***Substance of Interview dated June 22, 2004***

The Applicants thank the Examiner for the interview dated June 22, 2004. In the interview, all the pending claims as well as the cited primary reference, Koyama, were discussed. The Examiner agreed that the simulation section of Koyama lacked the third simulation parameter.

***Prior Art Rejections***

Independent claims 16 and 17 require a simulation controller that provides the numerical model with the a simulation torque signal on the basis of said simulation quantity of state, a simulation control parameter and a first simulation position instruction signal. As can be seen, the simulation controller takes in three simulation parameters as inputs and provides the simulation torque signal as the output.

The Examiner reads the numerical model of the present invention on the mechanical simulating circuit 6a of Koyama. Applicants respectfully submit that even if any combination of the second position control circuit 7, the second speed control circuit 10a and the third speed control circuit 11a are considered to be the simulation controller, the combination does not receive three simulation parameters as inputs. At best, such a combination receives two simulation parameters.

Likewise, in col. 29, ll. 50-59 of Koyama, the simulation section is not shown to receive three different simulation parameters while providing the simulation torque to the mechanical system simulating circuit.

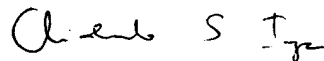
Claims 18-31 depend on claim 16. Therefore they are patentable at least for the same reasons for which claim 16 is patentable.

Further, secondary references, Sato and Kim do not overcome the deficiency noted above in relation to Koyama.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: June 30, 2004



**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q63623

Shuang-Hui HAO, et al.

Appln. No.: 09/787,401

Group Art Unit: 2125

Confirmation No.: 2380

Examiner: Charles R. KASENGE

Filed: March 19, 2001

**RECEIVED**

For: APPARATUS FOR CONTROLLING ELECTRIC MOTOR

JUL 01 2004

**STATEMENT OF SUBSTANCE OF INTERVIEW** Technology Center 2100

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please review and enter the following remarks summarizing the interview conducted on June 22, 2004.

In the interview, all the pending claims as well as the cited primary reference, Koyama, were discussed. The Examiner agreed that the simulation section of Koyama lacked the third simulation parameter.

**It is believed that no petition or fee is required.** However, if the USPTO deems otherwise, Applicant hereby petitions for any extension of time which may be required to maintain the pendency of this case, and any required fee, except for the Issue Fee, for such extension is to be charged to Deposit Account No. 19-4880.

Respectfully submitted,

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